



0220A710ET

# EXPLORE®



## **2011-2012 Profile Summary Report**

**Code: 00378522  
KENTUCKY DEPT OF ED  
FRANKFORT, KY**

**State Report - Grade 8  
KENTUCKY DEPARTMENT OF EDUCATION  
Includes Standard and Extended Time Tested Students**

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## INTRODUCTION

This report summarizes the performance of your students who took the EXPLORE academic assessment. This report includes results for only students who have valid composite scores and who tested under standard time limits.

The information in this report is organized to assist you in addressing certain issues that are common among schools. You will see these issues stated in the form of questions at the top of each table. The questions and the information presented may assist you in drawing conclusions and making decisions about programs, policies, or educational practices in your school.

Numerous social, economic, and school factors are known to contribute to educational achievement. Relatively few of these factors are represented in this report. Conclusions about educational programs or policies at your school, based on your students' achievement, are best supported by additional sources of information.

In making decisions or drawing conclusions based on differences between groups of students, caution should be employed when using EXPLORE averages if the number of students in any group is less than 25. The validity of conclusions about student groups depends in part upon the accuracy of the information that is self-reported by the students at the time of testing.

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**TABLE 1a: How do the EXPLORE scores of our students compare with those of students nationally?**

EXPLORE score	English			Mathematics			Reading			Science			Composite			EXPLORE score
	Local		Nat'l	Local		Nat'l	Local		Nat'l	Local		Nat'l	Local		Nat'l	
	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	
25	685	100	100	714	100	100	1151	100	100	1063	100	100	126	100	100	25
24	709	99	99	496	99	98	0	98	98	0	98	98	316	99	99	24
23	991	97	97	716	98	97	0	98	97	967	98	97	579	99	99	23
22	1262	95	95	979	96	96	2478	98	95	1277	96	95	983	98	98	22
21	1435	93	93	1261	94	95	0	93	93	1637	93	93	1409	96	96	21
20	1682	90	89	1636	92	93	0	93	91	2038	90	90	1964	93	92	20
19	1749	86	85	1899	88	90	3311	93	88	4992	86	84	2700	89	88	19
18	1952	83	81	2204	84	84	3684	86	84	2738	76	75	3489	84	82	18
17	4213	79	75	5156	80	75	3619	78	79	8849	70	63	4448	77	74	17
16	2156	70	69	9326	69	64	0	71	72	6087	52	49	5313	68	64	16
15	4408	66	61	6664	51	50	6572	71	64	5813	40	35	6051	57	53	15
14	4428	57	52	6162	37	36	5145	58	54	5403	28	24	6133	44	41	14
13	4230	48	42	2795	25	25	7658	47	44	4258	17	15	5360	32	29	13
12	4051	39	32	2577	19	16	4543	32	33	1651	8	9	4244	21	18	12
11	5341	31	23	2090	14	10	4246	23	23	1122	5	5	3108	13	10	11
10	4349	20	15	1663	9	6	3566	14	14	0	3	3	1785	6	5	10
9	3945	11	9	1283	6	4	2592	7	7	771	3	2	915	3	2	9
8	1070	3	5	0	3	3	407	2	3	0	1	1	292	1	1	8
7	309	1	3	851	3	2	297	1	1	406	1	1	71	1	1	7
6	174	1	1	0	2	1	35	1	1	180	1	1	22	1	1	6
5	0	1	1	493	2	1	0	1	1	0	1	1	2	1	1	5
4	89	1	1	233	1	1	6	1	1	46	1	1	0	1	1	4
3	50	1	1	86	1	1	0	1	1	12	1	1	0	1	1	3
2	21	1	1	24	1	1	0	1	1	0	1	1	0	1	1	2
1	11	1	1	2	1	1	0	1	1	0	1	1	0	1	1	1
Mean	14.3		14.7	15.3		15.5	14.4		14.6	16.3		16.6	15.2		15.5	Mean
S.D.	4.2		4.2	3.7		3.5	3.7		3.9	3.3		3.3	3.3		3.3	S.D.
Local percentage of students in national quartiles																
National quartile	% of local		Score range	% of local		Score range	% of local		Score range	% of local		Score range	% of local		Score range	National quartile
75-100%	30		17-25	31		17-25	29		17-25	30		18-25	23		18-25	75-100%
50-74%	22		14-16	19		16-16	24		14-16	18		17-17	32		15-17	50-74%
25-49%	17		12-13	26		14-15	25		12-13	24		15-16	23		13-14	25-49%
1-24%	31		1-11	25		1-13	23		1-11	28		1-14	21		1-12	1-24%

\*CP = Cumulative percent of students at or below a score point

Note: National normative data are based on results for students who took all four academic tests within standard time limits as part of a national study conducted in Fall 2010. See the EXPLORE Technical Manual at [www.act.org](http://www.act.org) for information about the 2010 national norming sample.

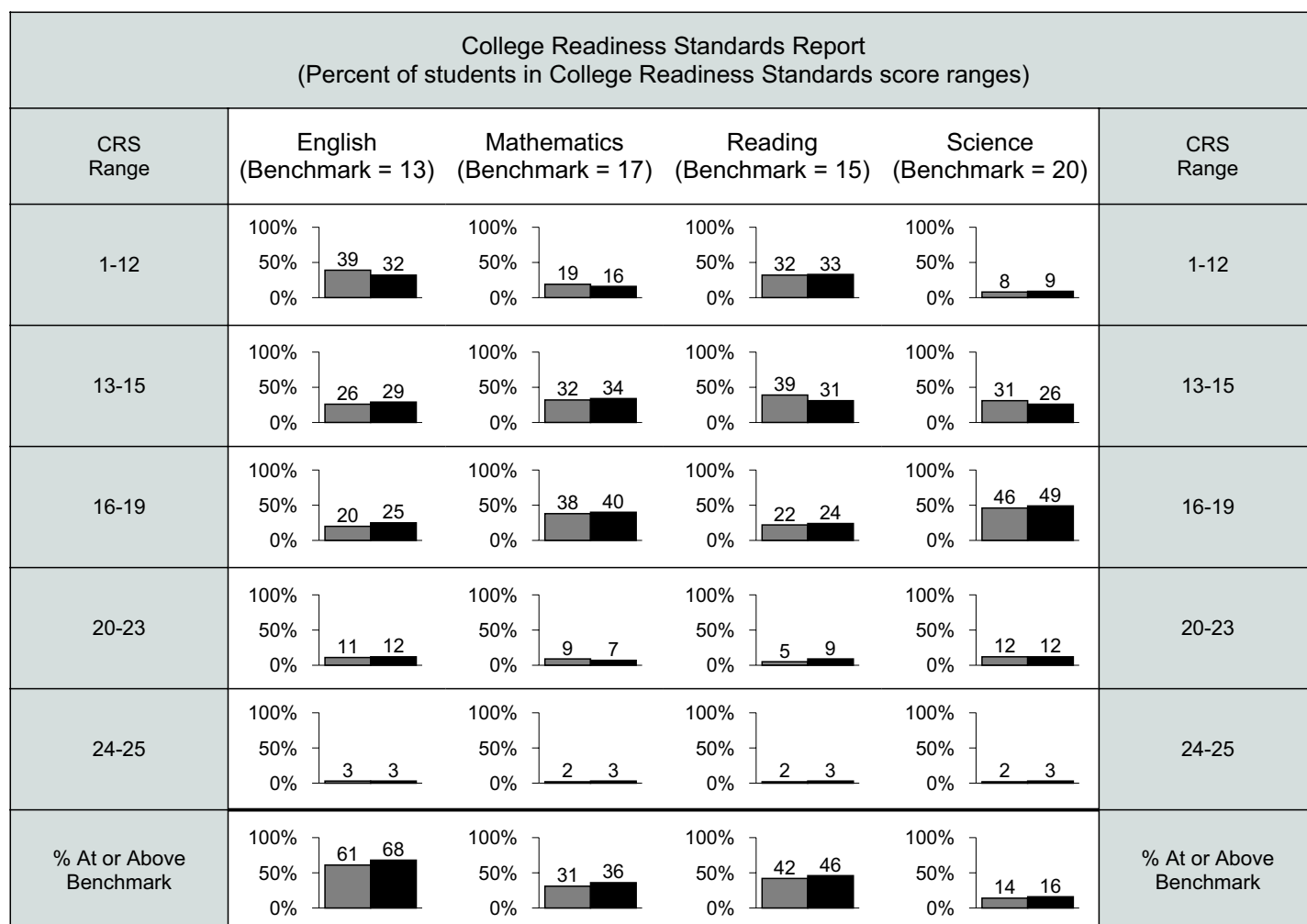
The national median for the EXPLORE composite score is 15.

**TABLE 1b: How do the EXPLORE subscores of our students compare with those of students nationally?**

EXPLORE subscore	Usage/Mechanics			Rhetorical Skills			EXPLORE subscore
	Local		Nat'l	Local		Nat'l	
	Freq	CP*	CP*	Freq	CP*	CP*	
12	1664	100	100	1462	100	100	12
11	1725	97	97	2898	97	97	11
10	5187	93	91	4041	91	92	10
9	10464	83	78	4556	83	83	9
8	7330	61	61	9573	74	70	8
7	6635	47	44	4816	54	54	7
6	2961	33	30	9380	45	37	6
5	7092	27	19	7535	26	21	5
4	3207	13	12	4069	10	10	4
3	1205	6	6	700	2	4	3
2	1654	4	2	249	1	1	2
1	186	1	1	31	1	1	1
Mean	7.4		7.6	7.2		7.3	Mean
S.D.	2.4		2.4	2.2		2.2	S.D.
Local percentage of students in national quartiles							
National quartile	% of local		Score range	% of local		Score range	National quartile
75-100%	39		9-12	26		9-12	75-100%
50-74%	15		8-8	29		7-8	50-74%
25-49%	19		6-7	19		6-6	25-49%
1-24%	27		1-5	26		1-5	1-24%

\*CP = Cumulative percent of students at or below a score point

**TABLE 1c: Are our students *On Track* to be college ready when they graduate from high school?**



 = Local     = National

Notes: *Connecting College Readiness Standards to the Classroom* interpretive guides to use with this report can be found at [www.act.org/standard/guides/explore](http://www.act.org/standard/guides/explore). The College Readiness Standards can be found starting on page 8 of each content guide.

Local report group percentages can be compared with national reference group percentages. All percentages have been rounded to the nearest whole number.

The score ranges given in this report are linked to the College Readiness Standards, which describe what students who score in various score ranges are likely to know and to be able to do, and reflect the progression and complexity of skills in each test of the EXPLORE program. College Readiness Benchmark Scores have been developed for EXPLORE to indicate a student's probable readiness for entry-level college coursework by the time the student graduates from high school. The data from this report, along with the College Readiness Standards and Benchmarks and information from other sources, can be used to inform local instructional priorities.

**TABLE 2: Do our students' EXPLORE scores differ by ethnic and gender groups?**

Group	Number of students	English	Usage /Mech	Rhet Skills	Math	Reading	Science	Comp	% Planning core*
Total Group	49310	14.3	7.4	7.2	15.3	14.4	16.3	15.2	30
Black/African American	4983	12.2	6.2	6.2	13.6	12.7	14.9	13.5	18
American Indian/Alaska Native	81	13.7	7.1	7.0	14.7	14.0	16.1	14.7	23
White	40292	14.6	7.6	7.3	15.6	14.7	16.6	15.5	32
Hispanic/Latino	1636	13.2	6.8	6.7	14.6	13.7	15.8	14.4	26
Asian	548	16.0	8.2	8.0	17.8	15.9	18.2	17.1	40
Native Hawaiian/Other Pacific Islander	38	14.4	7.4	7.1	15.4	14.9	16.9	15.6	37
Two or more races	835	13.9	7.2	6.9	14.8	14.0	16.0	14.8	30
Prefer not to respond	21	11.7	5.9	5.8	12.7	11.9	13.9	12.5	29
Males	25005	13.6	7.0	6.9	15.2	13.9	16.1	14.8	30
Black/African American	2508	11.6	5.8	5.9	13.3	12.1	14.5	13.0	18
American Indian/Alaska Native	44	12.9	6.8	6.6	14.6	13.2	15.8	14.2	18
White	20455	14.0	7.2	7.0	15.5	14.1	16.3	15.1	31
Hispanic/Latino	865	12.6	6.4	6.5	14.4	13.2	15.5	14.1	26
Asian	256	15.3	7.7	7.7	17.7	15.1	17.9	16.6	38
Native Hawaiian/Other Pacific Islander	19	14.3	7.3	7.2	16.1	14.6	16.6	15.5	37
Two or more races	392	13.3	6.9	6.7	14.8	13.6	15.8	14.5	31
Prefer not to respond	12	11.3	5.6	5.7	12.8	11.4	13.3	12.2	25
Females	24241	15.0	7.8	7.5	15.4	15.0	16.6	15.6	32
Black/African American	2474	12.8	6.6	6.5	13.9	13.3	15.2	13.9	18
American Indian/Alaska Native	37	14.7	7.5	7.5	14.8	14.9	16.4	15.3	30
White	19832	15.3	8.0	7.6	15.6	15.2	16.8	15.9	34
Hispanic/Latino	771	13.8	7.1	7.0	14.8	14.3	16.0	14.8	26
Asian	292	16.6	8.5	8.2	17.9	16.6	18.6	17.6	41
Native Hawaiian/Other Pacific Islander	19	14.5	7.6	7.1	14.8	15.3	17.1	15.6	37
Two or more races	443	14.4	7.5	7.2	14.8	14.4	16.2	15.0	30
Prefer not to respond	9	12.2	6.3	5.9	12.7	12.6	14.6	13.0	33

\*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).

**TABLE 3: How do our students' EXPLORE Composite scores and coursework plans relate to their educational plans?**

Educational plans category	Number of students responding	Percent of all students	Percent planning college core coursework*	Mean Composite score	Percent in national Composite score quartiles			
					1-24%	25-49%	50-74%	75-100%
Do not plan to finish high school	220	0	27	11.5	72	17	9	2
No training planned after high school	687	1	25	12.6	52	26	17	5
Job training in the military services	3050	6	27	13.5	40	27	24	9
Apprentice / job training	809	2	24	13.0	45	29	18	8
Career / technical school	2037	4	28	13.7	35	30	26	9
2-year / junior college	2142	4	25	13.8	31	32	28	8
4-year college / university	13935	28	32	15.4	17	24	35	24
Graduate or professional study	18049	37	35	16.3	12	19	35	34
Undecided	4901	10	26	15.0	22	25	33	20
Other plans	2527	5	21	13.6	38	28	25	9
No response	913	2	10	13.7	42	22	22	14

**TABLE 4: How do our students' EXPLORE Composite scores and coursework plans relate to their expressed needs for help?**

Needs area	Number of students responding	Percent of all students	Percent planning college core coursework*	Mean Composite score	Percent in national Composite score quartiles			
					1-24%	25-49%	50-74%	75-100%
Exploring options after high school	16410	33	30	15.6	20	21	32	28
Improving writing skills	14400	29	28	14.7	25	25	31	19
Improving reading speed or comprehension	12720	26	28	14.1	30	29	29	12
Improving study skills	17355	35	29	14.9	23	25	32	20
Improving mathematical skills	17902	36	27	14.4	27	27	32	15
Improving computer skills	8780	18	30	15.1	23	22	30	24
Improving public speaking skills	18557	38	31	15.6	17	22	34	27

\*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).

**TABLE 5a: How do our students' EXPLORE Composite scores, coursework plans, and postsecondary plans relate to their career preferences from the Career Areas List?**

Career preference category from Career Areas List	Number of students			Percent planning college core coursework*	Percent by educational plans					Mean Composite score
	Male	Female	Total		No HS/ No training	Appren./ Job train/ Military	Career/ Tech/ 2-yr coll.	4-yr coll. or more	Other/ Undecided	
Administration & Sales	4277	1049	5332	29	3	22	7	51	17	14.3
Employment-Related Services	364	152	517	23	7	16	11	45	21	13.2
Marketing & Sales	528	165	693	30	5	6	8	62	19	14.6
Management	870	295	1167	24	2	8	10	63	17	14.4
Regulation & Protection	2515	437	2955	32	2	33	6	44	15	14.3
Business Operations	447	307	754	25	4	8	10	62	16	14.2
Communications & Records	142	169	311	23	3	7	10	65	14	13.8
Financial Transactions	203	113	316	27	4	5	9	70	12	15.0
Distribution & Dispatching	102	25	127	23	5	20	9	37	29	13.3
Technical	7343	1778	9133	28	4	15	19	41	21	14.1
Transport Operation & Related	810	56	868	30	4	32	14	29	20	14.0
Agriculture, Forestry & Related	1100	754	1856	29	4	10	13	50	23	14.5
Computer & Information Specialties	1301	140	1443	29	2	7	20	52	20	15.1
Construction & Maintenance	1238	58	1298	29	5	18	19	36	22	13.5
Crafts & Related	445	614	1060	25	2	7	14	53	23	14.3
Manufacturing & Processing	477	56	533	29	6	20	23	30	22	13.2
Mechanical & Electrical Specialties	1972	100	2075	26	3	18	26	32	20	13.7
Science & Technology	6668	8377	15061	34	1	4	4	82	9	16.2
Engineering & Technologies	3023	226	3256	31	1	10	9	65	15	16.1
Natural Science & Technologies	981	968	1950	32	0	3	4	78	15	16.4
Medical Technologies	811	1486	2299	34	0	2	3	91	5	16.1
Medical Diagnosis & Treatment	1584	5343	6933	36	0	1	3	90	6	16.3
Social Science	269	354	623	30	1	4	4	77	13	16.4
Arts	2408	5115	7530	31	2	3	8	62	25	15.6
Applied Arts (Visual)	793	2012	2810	31	2	4	11	59	25	15.5
Creative & Performing Arts	1385	2824	4211	32	2	3	7	63	26	15.6
Applied Arts (Written & Spoken)	230	279	509	32	2	2	5	76	15	16.4
Social Service	2147	6233	8395	33	1	3	6	78	11	15.3
Health Care	476	2153	2635	30	1	2	6	83	8	15.3
Education	682	2078	2766	36	1	2	5	80	12	15.6
Community Services	795	1381	2177	35	1	4	3	84	8	15.7
Personal Services	194	621	817	31	4	7	19	43	27	13.8
No response	791	528	1324	14	2	6	4	20	69	13.5

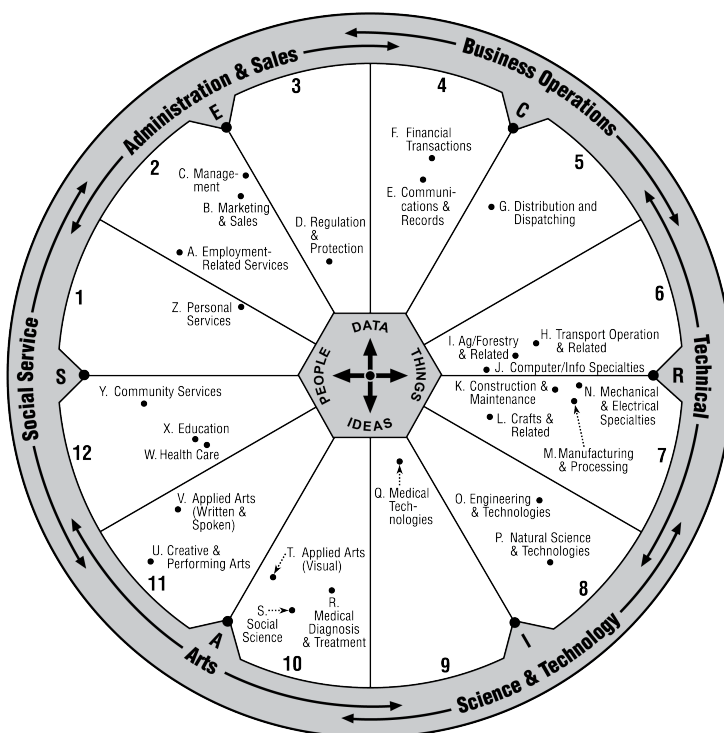
\*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).



**TABLE 5b: How do our students' EXPLORE Composite scores, coursework plans, and postsecondary plans relate to their career clusters from the World-of-Work Map?**

	Number of students				Percent by educational plans					
Career Cluster category from Interest Inventory	Male	Female	Total	Percent planning college core coursework*	No HS/ No training	Appren./ Job train/ Military	Career/ Tech/ 2-yr coll.	4-yr coll. or more	Other/ Undecided	Mean Composite score
First World-of-Work Career Cluster from Interest Inventory										
(02-03) Administration/Sales	2877	3614	6499	33	1	5	6	78	10	15.4
(04-05) Business Operations	3746	1896	5650	28	3	11	13	55	18	14.3
(06-07) Technical	7432	3107	10555	29	3	12	12	51	22	14.6
(08-09) Science & Technology	4393	4745	9148	32	1	7	7	69	16	15.9
(10-11) Arts	1901	4407	6312	31	1	4	6	72	17	15.9
(12-01) Social Service	2157	4343	6507	32	1	5	6	74	13	15.5
Second World-of-Work Career Cluster from Interest Inventory										
(02-03) Administration/Sales	1536	2146	3684	32	1	6	8	72	13	15.4
(04-05) Business Operations	3537	2184	5726	30	3	9	12	60	17	14.6
(06-07) Technical	4619	2167	6795	30	3	12	11	55	18	14.8
(08-09) Science & Technology	4806	3703	8521	31	2	8	8	65	17	15.5
(10-11) Arts	3009	4913	7930	32	1	5	7	69	18	15.7
(12-01) Social Service	1977	4025	6011	32	1	5	6	75	14	15.6
No Region	2499	2129	4639	27	2	8	8	59	23	14.5

\*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).



**TABLE 6: How did our students respond to the local items?**

Student Response														
	A		B		C		D		E		F		Blank	
Local Item	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1	5	0	3	0	3	0	12	0	0	0	0	0	49287	100
2	2	0	2	0	2	0	4	0	0	0	0	0	49300	100
3	4	0	2	0	1	0	0	0	2	0	0	0	49301	100
4	2	0	0	0	3	0	3	0	1	0	0	0	49301	100
5	2	0	1	0	3	0	2	0	1	0	1	0	49300	100
6	1	0	1	0	2	0	2	0	1	0	1	0	49302	100
7	4	0	0	0	2	0	2	0	1	0	1	0	49301	100
8	1	0	1	0	2	0	1	0	0	0	1	0	49304	100
9	2	0	1	0	1	0	0	0	0	0	2	0	49304	100
10	0	0	1	0	2	0	1	0	1	0	0	0	49305	100
11	2	0	1	0	2	0	1	0	2	0	0	0	49302	100
12	1	0	0	0	2	0	1	0	0	0	2	0	49304	100

Note: For report groups larger than an individual school, care must be taken when interpreting these local item results. Uniform use of the local items across schools must apply for meaningful table results.

## Glossary

### College Core Coursework

Core course work is defined as four or more years of English, three or more years of mathematics, three or more years of social studies, and three or more years of natural science. The following course lengths are assumed, unless otherwise specified by your students.

- English: Plan to take four years or more, with one year credit each for English 9, English 10, English 11, and English 12; one-half year credit for Speech.
- Mathematics: Plan to take three years or more, with one year credit each for Algebra 1, Algebra 2, Geometry; one-half year credit each for Trigonometry, Calculus (not pre-calculus), Computer Math, and Other Math courses.
- Social Studies: Plan to take three years or more, with one year credit each for U.S. History, World History, and American Government; one-half year credit each for Economics, Geography, Psychology, and Other History.
- Natural Science: Plan to take three years or more, with one year credit each for General/Physical/Earth Science, Biology, Chemistry, and Physics.

### CP (Cumulative percent at or below)

The percentage of local or national students scoring at or below each scale score.